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| COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications) | | | ATTORNEY'S DOCKET NUMBER MERCK-2718 |
| <p>As a below named inventor, I hereby declare that:</p> <p>My residence, post office address and citizenship are as stated below next to my name.</p> <p>I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:</p> <p>Liquid-Crystalline Medium</p> <p>the specification of which (check only one item below):</p> <p><input checked="" type="checkbox"/> is attached hereto.</p> <p><input type="checkbox"/> was filed as United States application</p> <p style="margin-left: 40px;">Serial No. _____</p> <p style="margin-left: 40px;">on _____</p> <p style="margin-left: 40px;">and was amended</p> <p style="margin-left: 40px;">on _____ (if applicable).</p> <p><input type="checkbox"/> was filed as PCT international application</p> <p style="margin-left: 40px;">Number _____</p> <p style="margin-left: 40px;">on _____</p> <p style="margin-left: 40px;">and was amended under PCT Article 19</p> <p style="margin-left: 40px;">on _____ (if applicable).</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.</p> <p>I hereby claim priority benefits under Title 35, United States Code, § 119 or 365 (b) of the following United States provisional application(s) and of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:</p> | | | |
| PRIOR U.S. PROVISIONAL AND FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119: | | | |
| COUNTRY (if PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 35 USC 119 |
| Germany | 102 30 597.8 | 07/06/2002 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |

POWER OF ATTORNEY: As a named inventor, I hereby appoint L. William Millen (19,544); John L. White (17,746); Anthony J. Zelano (27,969); Alan E.J. Branigan (20,565); John R. Moses (24,983); Harry B. Shubin (32,004); Brion P. Heaney (32,542); Richard J. Traverso (30,595); John A. Sopp (33,103); Richard M. Lebovitz (37,067); James E. Ruland (37,432); Nancy Axelrod (44,014); Jennifer J. Branigan (40,921); Robert E. McCarthy, (46,044); Jonathan G. Brown (47,451); and Csaba Henter (50,908) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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| Send Correspondence to: Customer No. 23599 | Telephone No. 703/243-6333 | Direct Telephone Calls to: |
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23599

PATENT TRADEMARK OFFICE

Combined Declaration for Patent Application and Power of Attorney (Continued)

(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

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|-------------|----------------------------|------------------------------|--------------------------------|---|
| 2 0 1 | FULL NAME OF INVENTOR | FAMILY NAME Klasen-Memmer | FIRST GIVEN NAME Melanie | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY Heuchelheim | STATE OR FOREIGN COUNTRY DE | COUNTRY OF CITIZENSHIP DE |
| | POST OFFICE ADDRESS | STREET Hauptstrasse 31A | CITY Heuchelheim | STATE & ZIP CODE/COUNTRY 67259 Heuchelheim, Germany |
| 2 0 2 | FULL NAME OF INVENTOR | FAMILY NAME Klement | FIRST GIVEN NAME Dagmar | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY Groß-Zimmern | STATE OR FOREIGN COUNTRY DE | COUNTRY OF CITIZENSHIP DE |
| | POST OFFICE ADDRESS | STREET Otzberggring 65a | CITY Groß-Zimmern | STATE & ZIP CODE/COUNTRY 64846 Groß-Zimmern, Germany |
| 2 0 3 | FULL NAME OF INVENTOR | FAMILY NAME Bremer | FIRST GIVEN NAME Matthias | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY Darmstadt | STATE OR FOREIGN COUNTRY DE | COUNTRY OF CITIZENSHIP DE |
| | POST OFFICE ADDRESS | STREET Schepp Allee 51 | CITY Darmstadt | STATE & ZIP CODE/COUNTRY 64295 Darmstadt, Germany |
| 2 0 4 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |
| 2 0 5 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |
| 2 0 6 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |
| 2 0 7 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |

Combined Declaration for Patent Application and Power of Attorney (Continued)
 (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

| | | | | |
|-----|-------------------------|-------------|--------------------------|--------------------------|
| 208 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |
| 209 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |
| 210 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |
| 211 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |
| 212 | FULL NAME OF INVENTOR | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | STREET | CITY | STATE & ZIP CODE/COUNTRY |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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|---|------------------|---------------------------|------|
| SIGNATURE OF INVENTOR 201 <i>Melanie Kosen-Merrett</i> | DATE 02.07.03 | SIGNATURE OF INVENTOR 207 | DATE |
| SIGNATURE OF INVENTOR 202 <i>Dagmar Kosen</i> | DATE 02.07.03 | SIGNATURE OF INVENTOR 208 | DATE |
| SIGNATURE OF INVENTOR 203 <i>Walter Kosen</i> | DATE 02.07.03 | SIGNATURE OF INVENTOR 209 | DATE |
| SIGNATURE OF INVENTOR 204 | DATE | SIGNATURE OF INVENTOR 210 | DATE |
| SIGNATURE OF INVENTOR 205 | DATE | SIGNATURE OF INVENTOR 211 | DATE |
| SIGNATURE OF INVENTOR 206 | DATE | SIGNATURE OF INVENTOR 212 | DATE |